

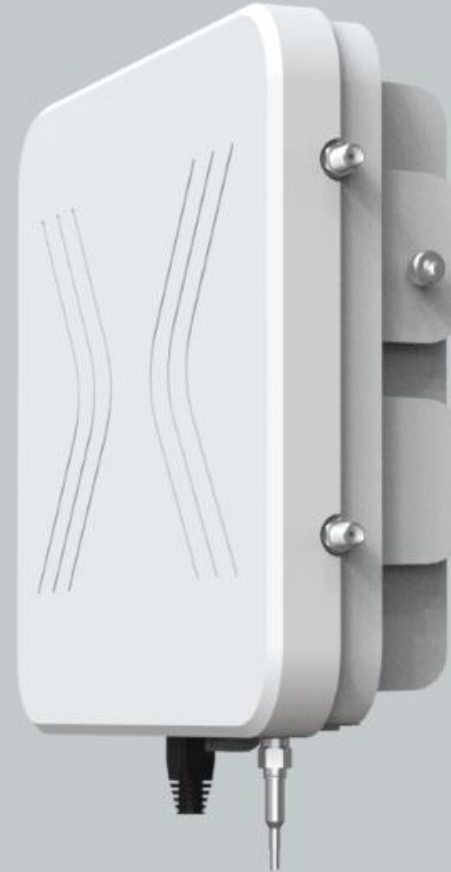
# LPRU SPECIFICATION

Premier Electronics Engineering & Manufacturing Company  
Creating Opportunities & Transforming Lives

12 – July -2022

# LOW POWER RADIO SPECIFICATION

## VVDN LPRU



- NR Radio Specification
  - Band N43 (3600 to 3800MHz)
  - Bandwidth(max): 100MHz
  - Duplex Mode: TDD
  - Modulation: QAM 256/64/16/QPSK
  - Carriers: 1
  - MIMO: 4T4R
  - RF Output Power per port: 250mWatt/24dBm
  - Antennas: Internal/External
- Connectivity Specification
  - Physical: 10 G Base-T Eth over SFP
  - Interface Protocol ORAN Split 7-2 CAT-A
  - Time and Synchronization IEEE 1588v2, ITU T G.8275.1 & G.8275.2
- Specification Compliance:
  - 3GPP Spec Compliance: Rel 15, Upgrading to Rel 16
  - O RAN Compliance: V2, Upgrading to V6
- Power Specification:
  - Powering: PoE ++ Type 3 IEEE802.3bt
  - Maximum Power: <44 W
- Environmental Specification:
  - Dimension (mm): 209mm x 186mm x 62mm
  - Weight: >2Kg
  - Operating Temperature: -40 to 55 C
  - Environmental: IP31/IP65
  - Mounting Style: Wall/Pole



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*Premier ODM for Cloud Managed IoT Solutions*

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